

CLUB PHONE: 345-0719

EDITOR - Harvey E. Rookus NL7DK
3310 Checkmate Dr
Anchorage, AK 99508
907 333-4693

FEBRUARY 1, 1990 GENERAL MEETING

The meeting was called to order at 7:05 by the President, WL7BOR.

As the program was to be about satellite communications we jumped right into the program to catch the satellite that was due overhead. Mike Bennett, AL7JM and John Lawson, NL7NC put on a demonstration of how to obtain the satellite signals. They had a station set up and we could see how to communicate with the satellite. After the satellite pass we then resumed the usual club business. During the meeting breaks and in between business the demonstration continued.

Introductions were made.

The club members voted on the acceptance of AL7IG, Bill Phifer as a life member of the club.

The Ham of the Year was voted on with KL7IKX, Doug Dickinson winning the honor.

Roger announced that as of March 16 the novice cw will be on 3.675-3.725, and effective on February 14 the no code license takes effect.

Doug announced that you will need an encoder for the 94 repeater. Check with him or Rick if you're not sure about your radio having one.

On February 26 there will be another emergency drill and Lil, NL7DL needs volunteers for that day. Call her or she will call you!

On the club gambling licenses there has been a stay of execution on the pull tabs. We still all need to write to our "congress persons". Remember this is one of our major sources of income for the club for those extra activities that the club supports.

The meeting was adjourned at 8:40.

Submitted by the club secretary, NL7AB, Mike.

February 13th 1991 AARC Board Meeting

Those in attendance were: KL7HD-Mark, WL7BOR-Ed, NL7KN-Diane, NL7NN-Susan, KL7HFM-Fred, N5FYW-Keith, AL7BB-Bill, KL7IKX-Doug, KL7NR-Cathy, NL7DK-Harvey, NL7UH-Bob, KL7WM-Daniel and AL7JZ-David

Meeting was called to order at 1915+-.

Bob Baker- NL7UH gave a presentation regarding the Boy Scouts and help need by them to put forth a Radio Merit Badge class and also the hope for assistance with Scout-O-Rama. After that a motion was made seconded and passed to support Scout Troop 104 with their project and furnished approx \$120.

Dave Evans asked for reimbursment for funds spent refurbishing the for used during Fur Rondy at the Dog Races. Motion made, seconded and passed to reimburse Dae for monies spent.

VHF- Doug-KL7IKX gave a report on the current conditions of the repeaters. All up and running. Thanks Doug. Short discussion of letter from FCC to Iditarod.

Gaming- Fred-KL7HFM gave a good breakdown of our finances through the Gaming (Pull-tabs, Bingo.) Also explained all of the problems we may have to go through.

Flea Market - Susan-NL7NN says she will volunteer to be Chairman again, But _____. She will need lots of help and wants to get started soon. Mainly more space even if we have to pay for it. So start thinking about it NOW and if Susan asks for help just say YES!

BUDGET - KL7WM- Daniel presented the 1991-92 Budget. All items were discussed and questioned where needed. A motion was made, seconded and passed to present this Budget to the Membership at the next meeting. Editor to put it in Newsletter.

Meeting was adjourned at approx 2030.

Submitted by NL7DK

FEB. 7, 1991 ANCHORAGE AMATEUR RADIO CLUB

INCOME CATEGPRY		1991
1010	Activities	250.00
1011	Flea Market	5,000.00
1020	Advertising	300.00
1030	Donations	250.00
1040	Gaming	50.00
1041	Bingo	6,000.00
1042	Pull Tabs	29,000.00
1043	Winter Raffle	2,500.00
1050	Interest	1,500.00
1060	Membership	3,600.00
1061	Life Membership	1,000.00
1062	ARRL Membership Rebate	180.00
1070	Miscellaneous	300.00
1080	ARRC Store	500.00
1092	Flea Market Banquet	1,000.00
1093	Reimbursement by Members	
1094	Refunds	

Total Income	\$51,430.00
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Expense Category		
2010	Activites	250.00
2011	Flea Market	3,500.00
2012	Field Day	250.00
2013	Iditarod	350.00
2020	Advertising	500.00
2030	Scholarship Reserve	1,000.00
2031	Scholarships	1,200.00
2032	Westlink	200.00
2033	Little League	250.00
2042	Pull Tabs/Bingo	22,000.00
2043	Winter Raffle	1,500.00
2080	ARRC Store	500.00
2091	Christmas Party	500.00
2092	Flea Market Banquet	1,000.00
2100	Equipment Purchases	4,500.00
2120	Hospitality	250.00
2130	Insurance	1,100.00
2140	Licenses & Fees	250.00
2150	Miscellaneous	300.00
2160	Newsletter	3,600.00
2170	Postage	1,600.00
2190	Professional Fees	250.00
2200	Rental	1,400.00
2210	Repairs	2,000.00
2220	Utilities & Supplies	
2221	Telephone & Electric	1,800.00
2222	Westlink Calls	150.00
2223	Supplies	500.00
2230	VEC	600.00

Total Expenses	\$51,300.00
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ROSTER UPDATES

Effective February 1, 1991

NEW MEMBERS

NL7JT	Cassel, Joseph M	7350 Biglerville Cir	Anchorage	AK
	99507 H:344-1205	W:271-5308		
KL7RJ	Darsey, Barb	4220 Woronzof Dr	Anchorage	AK
	99517 H:243-7755			
AL7AC	Darsey, Will	4220 Woronzof Dr	Anchorage	AK
	99517 H:243-7755			
WL7L	Fortier, Charles H	734 Cedar	Anchorage	AK
	99501 H:272-4846			
WL7G	Knapp, Gunnar	3730 Wesleyan Dr.	Anchorage	AK
	99508 H:333-3195	W:786-7717		
W0NV D	Thomas, Everett A	10534 Chatanika Lp	Eagle River	AK
	99577 H:694-3889			

CHANGES, ETC.

KL7ICB	Bains-Jordan, John	Change work phone to 564-1213
WL7BYP	Baker, Jr, Robert	- Change callsign to NL7UQ
NL7UA	Beach, Bill	- Change callsign to AL7MM
NL7TC	Brenner, Susan	- Change callsign to NL7TC
KB4PHS	Bryan, Charles E	- DELETE - Membership lapsed
KL7HQY	Chalifour, Jr, Frank G	- DELETE - Membership lapsed
	Cuddeback, Ken	- Delete home phone and add work phone:446-3636 and change ZIP Code to 99741
KL7IKV	Hammond III, Lynn	- DELETE - Membership lapsed
WL7BSR	Luce, Dave	- Add work phone: 235-5414
KL7BW	Menard, Bimji	- Correct callsign to KL7NG
KL7NG	Menard, George	- Correct callsign to KL7BW
WL7BYZ	Menard, Shanti	- Change address to POB 13168, Trapper Creek, Ak 9968 and phone to 733-2515
KL7NR	Moody, Catherine	- Change PO Box to 270
KF7GM	Mote, Richard W	- Change address to 4324 Irene, Anchorage 99504 and add home phone: 338-7512
AL7IG	Phifer, William D	- Add Life Membership number 153
KL7DJE	Smith, Nathan	- DELETE - Membership lapsed
KB5INK	Starr, Bo	- DELETE - Membership lapsed
KB5INL	Starr, Peyton	- DELETE - Membership lapsed
NL7SD	Taylor, Faye	- DELETE - Membership lapsed
AL7LK	Taylor, Gary	- DELETE - Membership lapsed
NL7RL	Walker, Anthony B	- DELETE - Membership lapsed
KL7HOT	Weed, Roger	- Change street address to 2728 Irene Cir #D
AL7KK	Wilson, Robert	- Delete home phone # and add work #:271-5304
KL7IYM	Ashlock, Joe	- DELETE - Membership lapsed

ROSTER UPDATES

Effective February 9, 1991

NEW MEMBERS

	Cavanagh, Timothy	3221 Briarcliff	Anchorage	AK
	99508 H:333-1853	W:279-6661		
	Filley, David L	5923 E. 12th AV	Anchorage	AK
	99504 H:338-6293	W:561-1313		
WL7BZV	Jennings, Pamela K	3541 Hazen Cir	Anchorage	AK
	99515 H:349-2113	W:349-2113		
NL7RU	O'Neal, Geneva	8230 E. 10th Av	Anchorage	AK
	99504 H:337-8170	W:276-7676		
NL7QA	O'Neal, Thomas P	8230 E. 10th Av	Anchorage	AK
	99504 H:337-8170			
WL7BZT	Paerels, Eric B	POB 315	Girdwood	AK
	99587 H:783-2860	W:263-4339		
KL7GLU	Page, Margie	3533 Thompson	Anchorage	AK
	99508 H:279-1240	W:271-5043		
KL7HIU	Page, Robert L "Bob"	3533 Thompson	Anchorage	AK
	99508 H:279-1240	W:277-2142		

CHANGES, ETC.

AL7JZ Evans, David M - Change address to POB 110742, Anchorage, AK 99511-0742

NL7FP Evans, Kim - Change address to POB 110742, Anchorage, AK 99511-0742

NL7MC Holzapfel, Lisa R - Change name to Paerels, Lisa H - Change work phone to 762-2284

NL7PU Irwin, Marie C - Change callsign to NL7VV

KL7IZC Knox, Rick - Add Home phone: (206)253-2770

Iditarod Special Events Station

Again this year we are asking people to operate the Iditarod Special Events Station from their own station in their home. You may operate by yourself or invite a group of amateurs to work with you. You will be signing up for a block of time (minimum of 2 hour blocks) and you can operate on all frequencies that are within your license. You will need to sign a form and obtain a copy of the MARA Club KL7JFU license in order for you to operate. Please contact Nancy Brophy, NL7PN at 688-3089 (Anchorage) or Eric Sanford (Matanuska Valley) at 892-9078.

Sign up and become part of the race!

NEWS



FEDERAL COMMUNICATIONS COMMISSION

Field Operations Bureau

Anchorage Office

6721 West Raspberry Rd., Anchorage, AK 99502 (907) 243-2153

February 11, 1991

AMATEUR RADIO SERVICE COMMUNICATIONS

In April 1990, technicians at our office monitored several violations of the FCC's Amateur Radio Service rules by the amateur radio operators providing communications for a race. No violation notices were issued at that time. We were making the operators aware of these violations so that the amateur community could take steps to comply with the regulations in any future events of this nature.

As background, the amateur service exists for the purpose of self-training, intercommunication and technical investigation carried out by duly authorized persons interested in radio technique solely with a personal aim and without pecuniary interest. It is the Commission's basic premise that the amateur service has its own objectives and is not intended to be used as an alternative to other radio services, and this has been incorporated into the rules. The amateur service is a voluntary, noncommercial communication service.

The amateur service frequencies should not be exploited by those who would use them as an alternative to the land mobile, broadcast, maritime, or common carrier radio services. The Commission has provided narrow exceptions in specific situations where facilities of the amateur service can fill a communications void. When disaster strikes such that normal communications systems are overloaded, damaged, or completely disrupted, amateur service systems often can assist immediately with relief operations. They can temporarily help bridge the gap until normal communications systems are restored.

Amateur Radio Service Rule 97.113(a)(1) provides an exception to the general provision that "no amateur station shall transmit any communication the purpose of which is to facilitate the business or commercial affairs of any party." Under the exception to this rule, the Commission allows communications that principally benefit the public. The exception is for communications that relate to the public's safe observation and participation in a parade, marathon or similar public event. When authorizing the use of amateur station communications that concern moving, supplying and quartering observers or participants, the principal beneficiary of such communications must be the public (onscene observation or participation in the event) and that any benefit to the sponsor must be incidental.

Please note that this is impossible if the public is safe at home removed from the event as radio and television audiences would be from Super Bowl or the Indy 500. The Commission emphasizes that avoiding the cost of obtaining communications in the proper radio service is not a valid basis for using amateur facilities at such public gatherings. (Please see attached PR Docket No. 88-139 for further discussion.)

During the 1990 race, our technicians monitored incidents on the communications net of persons ordering parts, making an airline reservation, coordinating aircraft use and making arrangements for the movement and housing of race officials and amateur radio operators.

It should also be noted that under Amateur Service Rule 97.113(b), "no station shall transmit messages for hire or material compensation, direct or indirect, paid or promised."

Amateur Radio Service Rule 97.113(c) states that no station shall transmit communications in order to engage in any form of broadcasting, nor to engage in any activity related to program production or newsgathering for broadcasting purposes. Communications for journalists will be permitted only in extraordinary circumstances. See Section 97.113(c) of the FCC Rules in the attached excerpts and please note that all four conditions must be met.

Amateur Radio Service Rule 97.403 allows the amateur service to provide essential communications needs in connection with the **immediate** safety of human life and **immediate** protection of property when normal communication systems are not available. The Commission's current policy is that the information be critical to protecting the **immediate** safety of life of individuals or the **immediate** protection of property and that the **event must be unforeseen.**

Amateur Radio Service Rule 97.103 states that the station licensee is responsible for the proper operation of the station in accordance with the FCC Rules. It also states that the control operator (licensee) of a particular station is responsible for all communications being transmitted from that station unless the station records indicate that the licensee has designated another amateur as control operator, in which case, both persons are held equally responsible for proper operation of the station. Care should be taken to make sure the station records document any designation of control operator.

Business communications in the amateur radio service are becoming more of a problem for the Commission nationwide and we are looking more closely at the situation. We must reemphasize that while the amateur radio service may provide communications for the public's safe observation and participation in public gatherings, and can provide communications for the immediate safety of human life and protection of property, it cannot be used as a substitute for other radio services.

In April of 1990 we had requested that as many amateur radio operators as possible be made aware of the rule sections mentioned above in order to increase compliance with the rules during any future events of this nature. If you have any questions, please call this office at 907-243-2153.

FOR SALE

Hallicrafters HT-41 Amplifier - 1KW Input
80 - 10 Meters
Modified to use 3-400 and 4-400 final amp
With spare 4-400 and tube socket

\$200.00

Call Lance AL7BK
H:337-6297 W:561-5457

FOR SALE

HAL ST-7000 HF Radio Modem for Packet, RTTY,
AMTOR and ASCII. New August 1990. \$150

LOCKHEED GTX-100 300/1200 Baud Modem. \$20

It works. Contact KL7HD 272-2767 Ask for Mark

Needed - Six Hams to help with a Boy Scout Radio Project.
The boys will be building a small radio and need
some assistance with soldering and misc help. Will
be on the 16th of March and estimated time of approx 4 hours.
If you can help with this very worthwhile project
please contact NL7UH - Bob Baker, at 345-4692. Plans
at the moment call for setting up the club Station at
West High on the 20th of April for Scout-O-Rama. Call
either NL7UH - or Ed - WL7BOR at 345-4530 to work at
the Club station on 20 April.

NOTE NOTE NOTE

DO NOT discuss Frequencies related to MARS or other Military
related situations. The FCC will get on your case. Remember
we are operating in a WAR situation. Let's not be part of the
problem. Editor

ELECTRONICS FLEA MARKET**MARCH 9, 1991**

9 AM TO 5 PM

44,000 Sq. Ft.two floors of
of display area
in the**PAVILION**

at the

PUYALLUP FAIRGROUNDS

Puyallup, Washington (See map on back)

Talk In: 146.82 R --- **K7LED****ADMISSION: \$5.00** (At door only) - (Under 16 FREE)
(Admissions AFTER 12, noon, are \$3.00)

FEATURING

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RV/SC Parking FREE * Table Sales * Amateur Radio Equip.

HAM Dealers * Parts * VE EXAMS * FREE Parking

Snack Bar * Sellers Breakfast 6:30 to 8:30

SPECIALIZING IN AMATEUR RADIO AND COMPUTER EQUIPMENT**FOR INFORMATION, CALL: 206-821-4188 OR 206-549-4062**

VE Examinations: NO Pre-registration. Walk-in Only.

Exams at 10:00 am AND 1 pm. FEE \$5.25

RETURN THIS PORTION FOR TABLE OR COMMERCIAL RESERVATIONS

TABLES (8 Ft. x 30 in.) - - - \$20.00 Ea. (Limit of 2 FREE admissions per seller, regardless of number of tables.)
 ADDITIONAL HELPER ADMISSIONS - \$5.00 Ea.
 COMMERCIAL SPACE (200 Sq. Ft.) - \$80.00 Ea.

PLEASE RESERVE THE FOLLOWING: _____ TABLES = \$ _____
 NOTE: Each seller LIMITED to two FREE admissions
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TOTAL: = \$ _____

SELLER SETUP MARCH 8, 2:00 TO 9:00 PM AND MARCH 9, 6:00 TO 9:00 AM

NAME: _____ CALL: _____

HELPER NAME: _____ CALL: _____

ADDRESS: _____ CITY: _____

STATE: _____ ZIP: _____ PHONE: _____

NOTE: PLEASE LOCATE TABLE NEXT TO: NAME: _____ CALL: _____

MAKE CHECKS PAYABLE TO: MIKE AND KEY ARC**MAIL TO: P. O. BOX 2121, KIRKLAND, WASH. 98083**

Before the
Federal Communications Commission
Washington, D.C. 20554

PR Docket No. 90-100

In the Matter of

Amendment of the Amateur
Service Rules to Relocate
the Novice and
Technician Operator Class
Frequency Segment within the
Amateur Service 80 Meter Band.

RM-6594

REPORT AND ORDER

Adopted: January 4, 1991; Released: January 18, 1991

By the Commission:

I. INTRODUCTION

1. On February 26, 1990, we adopted a *Notice of Proposed Rule Making (Notice)*¹ in the above-captioned proceeding. In the *Notice*, we proposed to relocate Novice and Technician Operator Class control operator frequency privileges in the 80 meter (m) amateur service band from the 50 kHz segment at 3700-3750 kHz to the segment at 3675-3725 kHz.² We proposed the relocation of the segment (80 m Novice segment) with the objective of relieving interference. This *Report and Order* adopts the relocation as proposed.

II. BACKGROUND

2. Sections 97.301(e) and 97.307(f)(9) of the Commission's Rules, 47 C.F.R. §§ 97.301(e) and 97.307(f)(9), authorize an amateur station having a control operator holding a Novice or Technician Operator Class license to transmit telegraphy on the 80 m Novice segment. The Novice segments generally are intended for beginning amateur radiotelegraphers to gain actual experience in sending and receiving telegraphy messages.³ In Canada, however, the frequencies in the upper half of the 80 m Novice segment are used by amateur stations for telephony transmissions. Thus, mutual interference in the 3725-3750 kHz segment can occur when a United States station, especially one located in a northern state, transmits telegraphy on the same channel and at the same time as a Canadian station transmits telephony. The proposal to move the 80 m Novice segment to 3675-3725 kHz was offered as a solution to this mutual interference problem. Four supporting comments and one opposing comment to the proposal were filed.⁴

3. Bruce Balog and Mark Widrick support the proposal,⁵ as does Philip Galasso.⁶ Although the ARRL states that the proposal has merit, it suggests that the 80 m Novice segment be expanded by 25 kHz to 3675-3750 kHz. The ARRL notes that the principal means that Tech-

nician Class licensees have for upgrading to General Class operator licenses is by increasing their proficiency in telegraphy skills, and the high frequency Novice segments are an important element in this process. To compensate General, Advanced, or Amateur Extra Class Operators for the loss of exclusive use of the suggested expansion frequencies, ARRL requests that those stations be authorized high power transmissions in the 80 m Novice segment.⁷

4. Robert A. Scupp opposes moving the 80 m Novice segment. He believes that such a move may be premature in light of a proposal in Canada to allow the amateur community to determine its own emission type subbands. He suggests that, if the proposal is finalized, the Canadian amateur service community could expand its telephony segment, thus causing an increase in the interference potential between Canadian and United States amateur stations.⁸ The ARRL also notes that the pending Canadian proposal to deregulate the amateur service emission types may lead to the development of different operating patterns.⁹

III. DISCUSSION

5. The high frequency Novice segments provide beginning amateur radiotelegraphers with an opportunity to polish their skills at slow speed before they engage in communicating with higher speed operators. We agree with ARRL that this experience provides training that can be valuable to a person preparing to upgrade to a higher class of operator license. The comments confirm that mutual interference occurs in at least a part of the 80 m Novice segment. Mr. Galasso characterizes such interference as intolerable. Mr. Widrick observes that only half of the 80 m Novice segment is usable because of the interference. In light of these comments, we believe that some relief should be afforded Novice and Technician Class licensees using frequencies in the 80 m Novice segment. Beginning radiotelegraphers are much less able to cope with such interference than are veteran operators. If interference increases as a result of the implementation of the Canadian deregulatory proposals mentioned by both Mr. Scupp and ARRL, we can evaluate the situation at that time and propose whatever adjustments are needed.

6. In addition to our proposal to move the 80 m Novice segment 25 kHz down the band, we have considered the suggestion made by ARRL to expand the segment by 25 kHz. Under the ARRL approach, however, stations having Novice and Technician Class control operators would have to share the entire enlarged 80 m Novice segment, 3675-3750 kHz, with United States amateur stations¹⁰ that transmit emission types CW, RTTY, and data using higher power.¹¹ They would also have to continue to share the 3725-3750 kHz segment with the Canadian telephony stations.¹² Although the Novice and Technician Class operators would have access to a larger frequency segment in the 80 m band, they would have to share it with large numbers of United States stations transmitting with much higher power. Rather than less interference to stations operated by Novice and Technician Class operators, it is likely that there would be more. Because such an outcome is directly contrary to our objective, we decline to adopt ARRL's suggestion.

IV. CONCLUSION

7. We will adopt the rule change proposed in the *Notice* to relocate the 80 m Novice segment to 3675-3725 kHz.¹³ This rule change will serve to reduce the amount of mutual interference between United States amateur stations and Canadian amateur stations. In addition, it will provide Novice and Technician Class control operators with more opportunities to improve their telegraphy skills.

V. PAPERWORK REDUCTION ACT

8. The proposal contained herein has been analyzed with respect to the Paperwork Reduction Act of 1980, 44 U.S.C. § 3501-3520, and found to contain no new or modified form, information collection and/or record keeping, labeling, disclosure, or record retention requirements and will not increase or decrease burden hours imposed on the public.

VI. ORDERING CLAUSES

9. Accordingly, IT IS ORDERED that effective March 16, 1991, Part 97 of the Commission's Rules, 47 C.F.R. Part 97, IS AMENDED as set forth in the Appendix below. Authority for this action is found in Sections 4(i) and 303(c) and (r) of the Communications Act of 1934, as amended, 47 U.S.C. §§ 154(i) and 303(c) and (r).

10. IT IS FURTHER ORDERED that this proceeding is terminated.

FEDERAL COMMUNICATIONS COMMISSION

Donna R. Searcy
Secretary

APPENDIX

Part 97 of Chapter I of Title 47 of the Code of Federal Regulations is amended as follows:

1. The authority citation for Part 97 continues to read as follows:

Authority: 48 Stat. 1 066, 1082, as amended; 47 U.S.C. §§ 154, 303. Interpret or apply 48 Stat. 1064-1068, 1081-1105, as amended; 47 U.S.C. §§ 151-155, 301-609, unless otherwise noted.

2. The line entry for the 80 meter band in the table in Section 97.301(e) is revised to read as follows:

§ 97.301 Authorized frequency bands.

(e) * * *

Wavelength band	ITU Region 1	ITU Region 2	ITU Region 3
HF	MHz	MHz	MHz
80 m	3.675-3.725	3.675-3.725	3.675-3.725

Sharing Requirements.
See § 97.303, (Paragraph)-(a)

3. Section 97.313(c)(1) is revised to read as follows:

§ 97.313 Transmitter power standards.

(c) * * *

(1) The 3.675-3.725 MHz, 7.10-7.15 MHz, 10.10-10.15 MHz, and 21.1-21.2 MHz segments;

FOOTNOTES

¹ 5 FCC Rcd 1276 (1990).

² The full 80 m amateur service band is 3500-3750 kHz. Its propagation characteristics facilitate communications over paths of several hundred miles. During the hours of darkness, worldwide contacts are possible. The higher classes of amateur operator license are authorized more extensive privileges in the 80 m band. They also share the frequencies of the Novice and Technician Class operators.

³ In addition to the 80 m Novice segment, there are also Novice telegraphy segments in the 40, 15, and 10 m bands.

⁴ The commenters are: Bruce Balog, Philip E. Galasso, Robert Scupp, The American Radio Relay League, Inc. (ARRL), and Mark Widrick.

⁵ Comments of Bruce Balog at 1 and comments of Mark Widrick at 1.

⁶ Comments of Philip E. Galasso at 1 and 2. Mr. Galasso also suggests that Amateur Extra Class control operators be authorized additional emission privileges. His suggestion is outside the scope of this proceeding.

⁷ Comments of ARRL at 3. While amateur stations having Technician, General, Advanced or Amateur Extra Class control operators may generally transmit with a transmitter power not exceeding 1500 watts, no station may transmit with a transmitter power exceeding 200 watts in the 80, 40, and 15 m band Novice segments. See Section 97.313 of the Commission's Rules, 47 C.F.R. § 97.313.

⁸ Comments of Robert A. Scupp at 1-4.

⁹ Comments of ARRL at 3.

¹⁰ As of June 1, 1990, there were 191,410 Novice and Technician Class licensees and 260,468 higher class licensees.

¹¹ See Section 97.3(c) of the Commission's Rules, 47 C.F.R. § 97.3(c), for the numerous specific emission types covered by these terms. In general, they include various international Morse code telegraphy emission types, telemetry, telecommand and computer communications emission types, and narrow-band direct printing telegraphy emission types.

¹² *Callbook Magazine* indicates there are 27,322 amateur operators in Canada.

¹³ The appendix to the *Notice* only proposed to revise Section 97.301. The 80 m Novice segment, however, is also listed in Section 97.313. Consequently, the attached appendix also revises this rule section.

NOTE NOTE NOTE

Back up to Page 4 and take a few minutes to look over the BUDGET for 1991-92. If you have any comments to make about it or have any questions to ask, bring them to the meeting on March 1st 1991. We will be voting to accept the Budget at that meeting. We want to Thank KL7WM - Daniel for his efforts in working over the Budget. I am sure there were others who helped so Thanks to them also.

Programs- We have had some very good programs for which we should thank Ed el Presidente. If you have any thoughts for programs you would like to have presented don't just think about them. Get the word to Ed WL7BOR and he can try for the type programs we want.

Elections - It won't be long and we will be electing new officers for the Club. If you have any thoughts about running for office or have someone in mind for a particular spot, write down your thoughts and when the time comes give your thoughts to the Nominating committee. They will welcome any help they can get. So start now in thinking about New Officers and new ideas for the various committees.

ANCHORAGE AMATEUR RADIO CLUB, INC.
Post Office Box 101987
Anchorage, Alaska 99510-1987

Address Correction Requested

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January 1991 146.34/.94 KL7AA Repeater Stats.

TOTAL Phone Patches - 88

TOTAL Emergency Patches - 16

TOTAL Repeater user time - 118.55 hours

TOTAL Down time - 3 days phone patch line High winds on Hillside

Average of 3.82 hrs per day of repeater usage.

Average output power from duplexers 73.5 watts into 9 DB vertical
four bay. Main lobe is NNW from 3000' site near Flattop Mountain
Main receiver requires 100 hz of CTCSS, remote receiver is standard
noise squelch. Doug. - KL7IKX